



# SHOWCASE

**Saturday, January 28, 2023**

## SCIENTIFIC AND ENGINEERING PRACTICES



Asking questions (science) and defining problems (engineering)



Developing and using models



Planning and carrying out investigations



Analyzing and interpreting data



Using mathematics and computational thinking



Constructing explanations (science) and designing solutions (engineering)



Engaging in argument from evidence



Obtaining, evaluating, and communicating information

## JUDGING CRITERIA FOR SCIENCE PROJECTS

- I. Research Question (10 pts)
- II. Design and Methodology (15 pts)
- III. Execution: Data Collection, Analysis & Interpretation (20 pts)
- IV. Creativity (20 pts)
- V. Presentation (35 pts)

## JUDGING CRITERIA FOR ENGINEERING PROJECTS

- I. Research Problem (10 pts)
- II. Design and Methodology (15 pts)
- III. Execution: Construction and Testing (20 pts)
- IV. Creativity (20 pts)
- V. Presentation (35 pts)

QUESTIONS? Please contact Andrea Ziegler at [amziegler@ua.edu](mailto:amziegler@ua.edu) or 205-348-9854.

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